

AMENDMENT TO THE CLAIMS

IN THE CLAIMS:

Please amend claims 10, 12 and 13 as follows. A copy of all pending claims and a status of the claims is provided below.

1. (Previously presented) An extrusion molding apparatus, comprising:
an extruder extruding product formed from thermoplastic synthetic resin through a die, which is installed at an outlet of the extruder, the die having a first portion with a groove and a second portion with a corresponding groove to form a passageway, a second inlet being formed at one side of the die in communication with the passageway to feed a second synthetic resin from a second extruder through the second inlet, wherein the passageway communicates with an original synthetic resin passage formed in the die such that the second synthetic resin coats a surface of the product extruded from the die.
2. (Previously presented) The extrusion molding apparatus of claim 1, wherein the passageway is in communication with a second passageway of the die formed to communicate with the original synthetic resin passage so that the whole surface of the product is coated with the second synthetic resin and a sectional area of the second passage is irregularly formed.
- 3 – 9. (Cancelled)
10. (Currently Amended) An extrusion molding die, comprising:
~~a die having a synthetic resin passage that receives synthetic resin installed at an outlet of an extruder so that it is to be fed to the extruder and then extruded in a product having a predetermined sectional shape of the synthetic resin passage, the die includes;~~

a synthetic resin passage provided at one side of the die to receive synthetic resin from the extruder;

a second inlet is formed at another one-side of the die to feed feed a second synthetic resin thereto, and the second inlet is formed to communicate with

a second passage in communication with the synthetic resin passage of the die so that and with the second inlet to coat the second synthetic resin is coated on a surface of the a product extruded from the die; and

a plurality of nozzle grooves in communication with the second passage so that the second synthetic resin of a predetermined ratio covers a surface of the product.

11. (Previously presented) The extrusion molding die of claim 10, wherein the second passage is formed around the synthetic resin passage so that the whole surface of the product is coated with the second synthetic resin.

12. (Currently Amended) The extrusion molding die of claim 11, wherein the second passage ~~includes~~ a plurality of nozzle grooves in communication with the second passage ~~so that the second synthetic resin of a predetermined ratio~~ covers the whole surface of the product.

13. (Currently Amended) The extrusion molding die of claim ~~11~~ 12, wherein the plurality of nozzle grooves ~~in fluid communication~~ are in communication with the second inlet so that the second synthetic resin is introduced into the second passage at a substantially constant pressure.

14. (Previously presented) The extrusion molding die of claim 12, wherein the plurality of nozzle grooves have a smaller sectional area than a sectional area of the second passage and the plurality of nozzle grooves have one end in communication with the second passage and the other end in communication with the synthetic resin passage.

15. (Previously presented) The extrusion molding die of claim 14, wherein the plurality of nozzle grooves have a curved section.

16. (Previously presented) The extrusion molding die of claim 14, wherein the plurality of nozzle grooves have a sectional area which is gradually reduced toward the synthetic resin passage.

17. (Previously presented) The extrusion molding die of claim 14, wherein the plurality of nozzle grooves are inclined at a predetermined angle along a flow path of the second synthetic resin.

18. (Cancelled)

19. (Previously presented) An extrusion molding apparatus, comprising:
a die;
a first extruder connected to a portion of the die;
a second extruder connected to another portion of the die;
a first synthetic resin passage formed through the die;
an inlet passage formed in a portion of the die for receiving a second synthetic resin from the second extruder;
a retainer groove in fluid communication with the inlet passage and formed in a portion of the die; and
a plurality of nozzle grooves in fluid communication with the retainer groove and the first synthetic resin passage,
wherein the first synthetic resin passage is arranged in an inner circumference portion of the retainer groove.

20. (Previously presented) The extrusion molding apparatus of claim 19, wherein the die further comprises:
a first molding member including a first partial inlet passage; and
a second molding member arranged adjacent to the first molding member including a second partial inlet passage, wherein the first partial inlet passage and second partial inlet passage are arranged together to form the inlet passage that is in fluid communication with the second extruder and the retainer groove.

21. (Previously presented) The extrusion molding apparatus of claim 20, further comprising:

a plurality of nozzle grooves in fluid communication with the retainer groove and a first synthetic resin passage, wherein the first synthetic resin passage is arranged in an inner circumference portion of the retainer groove.

22. (Previously presented) The extrusion molding apparatus of claim 21, wherein the retainer groove is formed substantially around a circumference of the first synthetic resin passage so that the whole surface of a product is coated with a second synthetic resin.

23. (Previously presented) The extrusion molding apparatus of claim 21, wherein the plurality of nozzle grooves are in fluid communication with the retainer groove so that the second synthetic resin of a predetermined ratio covers the whole surface of the product.

24. (Previously presented) The extrusion molding apparatus of claim 21, wherein the retainer groove is in fluid communication with the inlet passage so that the second synthetic resin introduced into the retainer groove is at a substantially constant pressure.

25. (Previously presented) The extrusion molding apparatus of claim 22, wherein the plurality of nozzle grooves have a smaller sectional area than a sectional area of the

retainer groove, the plurality of nozzle grooves have a first end connected to the retainer groove and a second end connected to the synthetic resin passage.

26. (Previously presented) The extrusion molding apparatus of claim 25, wherein the retainer groove and the plurality of nozzle grooves have a curved section.

27. (Previously presented) The extrusion molding apparatus of claim 19, wherein the plurality of nozzle grooves have a sectional area which is gradually reduced toward the synthetic resin passage.